

Multiple GIDs and Charging to a specific GID

Category: Running Jobs with PBS

DRAFT

This article is being reviewed for completeness and technical accuracy.

Each approved project is assigned a project id (GID). Members of a GID are authorized to use the resources allocated to that GID. For those users who have access to multiple GIDs, be aware that only one of those GIDs is considered your default.

Use the "groups" command to find which GIDs you are a member of. The following example shows that user zsmith is a member of the groups a0800, a0907, all, and e0720.

```
%groups zsmith
zsmith : a0800 a0907 all e0720
```

The first GID from the "groups" list should be your default GID. This can be verified through the /etc/passwd file. For example, the /etc/passwd file has an entry for user zsmith with the GID 20800 (which is the same as a0800, his default GID).

```
%grep zsmith /etc/passwd
zsmith:x:6666:20800:Z. Smith,,650-604-4444,:/u/zsmith:/bin/csh
```

When you use resources on the compute nodes through PBS jobs, SBUs are deducted from your default GID unless you specify otherwise. To charge resource usage to an alternative GID for a batch job, you can use the PBS flag "-W group_list=account" either in your script or on the "qsub" command line. For example:

```
#PBS -W group_list=a0907
or
```

```
%qsub -W group_list=a0907
```

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<http://www.nas.nasa.gov/hecc/support/kb/entry/173/?ajax=1>